

Appl. No. 09/723,345
Amdt. dated January 27, 2003
Reply to Office action of October 6, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Mobile communication system, comprising runs of loss cable disposed in succession along a zone of radio coverage and feeder means for feeding the cable runs from base stations of at least one cellular mobile communication network, wherein the feeder means have comprise:

- means for applying first radio frequency signals from a first base station of the cellular mobile communication network to a first cable run, said first radio frequency signals including a first beacon signal specific to a cell serviced by said first base station; and

- means for applying second radio frequency signals from a second base station of the cellular mobile communication network to a second cable run which is adjacent to the first run said second radio frequency signals including a second beacon signal specific to a cell serviced by said second base station;[[,]] and,

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~~- wherein the feeder means further have means for applying to the first cable run at least part of the second radio frequency signals to the first cable run including said second beacon signal.~~

2. (Original) System as claimed in claim 1, wherein said part of the second radio frequency signals is applied to the first cable run with a given attenuation relative to the first radio frequency signals as applied to the first cable run.

3. (Original) System as claimed in claim 1, wherein the feeder means further have means for applying at least part of the first radio frequency signals to the second cable run with a given attenuation relative to the second radio frequency signals as applied to the second cable run.

4. (Original) System as claimed in claim 1, wherein all the second radio frequency signals are applied to the first cable run.

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5. (Currently Amended) System as claimed claim 1, wherein the part of the second radio frequency signals applied to the first cable run is limited to ~~a frequency carrying a~~ the second beacon signal ~~from the second base station.~~

6. (Original) System as claimed in claim 1, wherein the feeder means are set up to apply the radio frequency signals from at least one of the first and second base stations to several adjacent cable runs.

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7. (Original) System as claimed in claim 1, further having collection means to collect radio signals picked up by the runs of loss cable, wherein the collection means have means for applying third radio frequency signals from the first cable run to the first base station and means for applying at least part of the third radio frequency signals to the second base station.

8. (Previously Presented) System as claimed in claim 1, wherein the runs of loss cable extend through tunnels and wherein the feeder means are positioned outside the tunnels.
